

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2628347

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>MURRAY P. HASINOFF</td> <td>11/04/2013</td> </tr> <tr> <td>TAYLOR PURSELL</td> <td>11/04/2013</td> </tr> <tr> <td>JOSEPH A. SALLA</td> <td>11/04/2013</td> </tr> <tr> <td>ARTHUR R. SHIRLEY JR.</td> <td>11/03/2013</td> </tr> <tr> <td>KEITH D. COCHRAN</td> <td>11/04/2013</td> </tr> <tr> <td>TIMOTHY G. HOLT</td> <td>11/04/2013</td> </tr> </tbody> </table>		Name	Execution Date	MURRAY P. HASINOFF	11/04/2013	TAYLOR PURSELL	11/04/2013	JOSEPH A. SALLA	11/04/2013	ARTHUR R. SHIRLEY JR.	11/03/2013	KEITH D. COCHRAN	11/04/2013	TIMOTHY G. HOLT	11/04/2013
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RECEIVING PARTY DATA															
<table border="1"> <tr> <td>Name:</td> <td>SPARSTANE TECHNOLOGIES LLC</td> </tr> <tr> <td>Street Address:</td> <td>4400 LEWISBURG ROAD</td> </tr> <tr> <td>City:</td> <td>BIRMINGHAM</td> </tr> <tr> <td>State/Country:</td> <td>ALABAMA</td> </tr> <tr> <td>Postal Code:</td> <td>35207</td> </tr> </table>		Name:	SPARSTANE TECHNOLOGIES LLC	Street Address:	4400 LEWISBURG ROAD	City:	BIRMINGHAM	State/Country:	ALABAMA	Postal Code:	35207				
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Application Number:	13963072														
CORRESPONDENCE DATA															
Fax Number:	(202)887-0336														
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<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>															
Correspondent Name:	PAUL E. WHITE, JR.														
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ATTORNEY DOCKET NUMBER:	PEW/46701														

NAME OF SUBMITTER:	PAUL E. WHITE, JR.
Signature:	/Paul E. White, Jr./
Date:	11/25/2013
Total Attachments: 2 source=Application_No_13-963072_Assignment-1_11-25-2013#page1.tif source=Application_No_13-963072_Assignment-2_11-25-2013#page1.tif	

Please return signed/recorded to:

Manelli Selter PLLC  
2000 M Street, N.W., 7th Floor  
Washington, DC 20036-0336

USA Patent Application  
Sole or Joint

Executed with or after application

Atty. Dkt. 46701

M#

Client Ref.

**ASSIGNMENT OF NONPROVISIONAL APPLICATION**

In consideration of good and valuable consideration provided to each of the undersigned, to wit:

INSERT  
NAME(S) OF  
INVENTOR(S)

(1) Murray P. Hasinoff	(2) Taylor Pursell
(3) Joseph A. Saiia	(4) Arthur R. Shirley, Jr.
(5) Keith D. Cochran	(6) Timothy G. Holt
(7)	<input type="checkbox"/> x box if continued on page 2

(hereinafter collectively ASSIGNOR) the receipt and sufficiency of which are hereby acknowledged by the undersigned, hereby sell(s), assign(s) and transfer(s) unto:

INSERT  
NAME(S) OF  
ASSIGNEE(S)

Sparstane Technologies LLC  
4400 Lewisburg Road  
Birmingham, AL 35207

(hereinafter designated "ASSIGNEE"), its successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof; and all resulting patents, known as

TITLE OF  
INVENTION

PROCESS FOR CONVERTING FGD GYPSUM TO AMMONIUM SULFATE AND  
CALCIUM CARBONATE

NOTE → →

(Complete

line A, B and/or C)

for which the undersigned executed an application for Letters Patents of the United States of America:

(A) ☐ even date herewith

(B) ☐ on

(C) ☒ in U.S. Appln. No. 13/963,072 filed August 9, 2013

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

**NOTE** → → The undersigned hereby authorize(s) Manelli Selter PLLC of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

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4) Name: Arthur R. Shirley, Jr.  
5) Name: Keith D. Cochran  
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**DATE SIGNED**

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